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Sequence Listing was accepted.

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Reviewer: markspencer

Timestamp: [year=2008; month=9; day=11; hr=15; min=43; sec=37; ms=798; ]

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Application No: 10562183 Version No: 2.0

Input Set:

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Finished: 2008-08-12 17:28:13.813  
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Total Errors: 0  
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# SEQUENCE LISTING

<110> Zhang, Yinhua  
McReynolds, Larry

<120> Specific Detection of Chitin Using Chitin-Binding Domain

<130> NEB-231-PUS

<140> 10562183

<141> 2005-12-22

<150> 60/483,279

<151> 2003-06-27

<150> PCT/US2004/017979

<151> 2004-06-07

<160> 4

<170> PatentIn version 3.4

<210> 1

<211> 45

<212> PRT

<213> Bacillus circulans

<400> 1

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Asn	Gly	Lys	Thr	Tyr	Lys	Cys	Leu	Gln	Pro	His	Thr	Ser	Leu	Ala	Gly
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<211> 45

<212> PRT

<213> Vibrio parahaemolyticus

<400> 2

Thr	Asp	Trp	Ala	Gly	Asn	Pro	Ser	His	Ala	Asn	Gln	Gly	Asp	Lys	Val
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Ile	His	Asn	Gly	Val	Val	Tyr	Gln	Ala	Asn	Trp	Trp	Thr	Ala	Ser	Glu
			20						25				30		

Pro	Gly	Ser	Asp	Gly	Ser	Trp	Ala	Thr	Val	Cys	Asn	Ile
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35

40

45

&lt;210&gt; 3

&lt;211&gt; 63

&lt;212&gt; PRT

<213> *Vibrio parahaemolyticus*

&lt;400&gt; 3

Met Lys Tyr Gly Tyr Phe Asp Asn Glu Asn Arg Glu Tyr Val Ile Thr  
1 5 10 15

Arg Pro Asp Val Pro Ala Pro Trp Thr Asn Tyr Leu Gly Thr Glu Lys  
20 25 30

Phe Cys Thr Val Ile Ser His Asn Ala Gly Gly Tyr Ser Phe Tyr Asn  
35 40 45

Ser Pro Glu Tyr Asn Arg Val Thr Lys Phe Arg Pro Asn Ala Thr  
50 55 60

&lt;210&gt; 4

&lt;211&gt; 40

&lt;212&gt; PRT

&lt;213&gt; artificial

&lt;220&gt;

&lt;223&gt; consensus sequence of chitinase A1 of CBM12

&lt;220&gt;

&lt;221&gt; misc\_feature

&lt;222&gt; (2)..(6)

&lt;223&gt; Xaa can be any naturally occurring amino acid

&lt;220&gt;

&lt;221&gt; misc\_feature

&lt;222&gt; (8)..(19)

&lt;223&gt; Xaa can be any naturally occurring amino acid

&lt;220&gt;

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&lt;222&gt; (21)..(25)

&lt;223&gt; Xaa can be any naturally occurring amino acid

&lt;220&gt;

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&lt;222&gt; (27)..(33)

&lt;223&gt; Xaa can be any naturally occurring amino acid

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&lt;221&gt; misc\_feature

<222> (35)..(39)

<223> Xaa can be any naturally occurring amino acid

<400> 4

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1 5 10 15

Xaa Xaa Xaa Tyr Xaa Xaa Xaa Xaa Xaa His Xaa Xaa Xaa Xaa Xaa Xaa  
20 25 30

Xaa Pro Xaa Xaa Xaa Xaa Xaa Leu  
35 40